

**REMARKS**

Claims 1 and 4-12 are pending in the present application. Claims 29-38 are herein canceled. Claim 1 is herein amended. No new matter has been presented.

**Double Patenting**

Claims 29-38 are objected to under 37 C.F.R. §1.75.

Applicants herein cancel claims 29-33, thus mooting the rejection.

**Rejections under 35 U.S.C. §103(a)**

Claims 1, 4, 5, 12, 29, 30, 31, 33-36 and 38 are rejected under 35 U.S.C. §103(a) as being unpatentable over Asayama et al. (US 6,365,461) in view of Wenski et al. (US 6,458,688) and further in view of Takizawa et al. (US 5,734,195) and then further in view of Ishida et al. (US 6,198,157).

Claims 6-8 are rejected under 35 U.S.C. §103(a) as being unpatentable over Asayama et al. (US 6,365,461) in view of Wenski et al. (US 6,458,688) and further in view of Takizawa et al. (US 5,734,195) and then further in view of Ishida et al. (US 6,198,157) as applied to claim 1 above, and then further modified by Fitzgerald (US 200210123167).

Claims 9-11, 32 and 37 are rejected under 35 U.S.C. §103(a) as being unpatentable over Asayama et al. (US 6,365,461) in view of Wenski et al. (US 6,458,688) and further in view of Takizawa et al. (US 5,734,195) and then further in view of Ishida et al. (US 6,198,157) as applied to claims 1, 29 and 34 above, and further modified by Inazuki et al. (US 6,362,076).

Applicants herein cancel claims 29-38, and amend claim 1 by clarifying that "said semiconductor substrate contains carbon at a concentration of  $1 \times 10^{15}$  (atoms/cm<sup>3</sup>) or higher across the whole area of the depth direction.

Thereafter, Applicants respectfully disagree with the rejection because not all of the claimed limitations are taught or suggested by the cited references, alone or in proper combination.

Applicants note that the present invention of claim 1 and claims dependent therefrom contains carbon at a concentration equally across the whole area of the depth direction of semiconductor substrate. According to this structure, the present invention has high gettering ability. The structure is neither disclosed nor suggested in any of Takizawa et al., Asayama et al., Wenski et al. and Ishida et al., alone or in combination.

In view of the aforementioned amendments and accompanying remarks, Applicants submit that the claims, as herein amended, are in condition for allowance. Applicants request such action at an early date.

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Amendment under 37 C.F.R. §1.111  
Amendment filed July 18, 2008

If this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

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